

**Ensure the safety and comfort of
students and staff, while lowering
energy and operational costs**

Discover our Educational
Facilities Solutions



GROSVENOR]
engineering group

Integrated Solutions That Provide Outcomes

From primary schools to universities, educational institutions are places of learning, social interaction, and community. The right environment can enhance learning, ensuring classrooms, lecture rooms and other spaces are comfortable and engaging. Importantly, the safety of all students, staff and visitors is paramount, whilst operating efficiently to maximise a buildings performance.

Proactive asset management and maintenance of HVAC, Fire and Electrical assets is crucial.

Grosvenor Engineering Group's (GEG) powerful asset maintenance and lifecycle management ecosystem collects the data and provides the tools to manage total asset lifecycle and repair, reducing risk and mitigating the chances of unforeseen reactive breakdowns, which can lead to student and staff discomfort or safety risk to people and property.

At GEG, we have over 25 years' experience providing end-to-end solutions across Australia and New Zealand to many educational establishments.

GEG has developed an integrated service delivery model that achieves tangible outcomes for educational facilities. We offer an integrated solution on operational equipment including – HVAC, Fire and Electrical assets.

In addition to our core technical services, we offer a range of advisory services in asset validation and condition auditing, sustainability and HVAC engineering design for educational facilities.



HVAC



FIRE



ELECTRICAL



ADVISORY



PROPTech

Optimise Your Operations

Educational facilities want cost efficiencies with their operations, without compromising on safety – especially safety of people. Ensuring you reduce wastage such as energy and water, not only leads to lower energy costs but lower operational and campus running expenses.

Improve performance of operational assets

We can provide Building Management Systems (BMS) to improve visibility over the performance of commercial property assets, delivering comfort and energy efficiency. This includes: energy usage analysis; lighting control, and HVAC wiring and controls.

A greener campus

A quantitative study showed that Green Star-rated education facilities deliver on average a 70% reduction in operational energy usage for electricity, a 46% reduction in the use of natural gas and a 35% reduction in potable water consumption when compared with standard buildings. (The Value of Green Star – A Decade of Environmental Benefits. GBCA, 2013).

ANZ universities and schools aim to reduce energy and water use, significantly lowering greenhouse gas emissions associated with campus operations. Through a NABERS assessment, our team of Sustainability Engineers can help Facility Managers to measure the environmental performance of a building or campus. Optimal building operations lead to reduced operating costs, emissions, waste to landfill and water wasted.

LED-ing the way

Reduce costs for your educational facility with energy-efficient LED lighting. Adding sensors and lighting controls can help to further reduce energy wastage by switching lights off in areas where there is minimal traffic and switching on when movement is detected. Our electrical team are able to fit-out, refurbish & upgrade to LED lighting systems and replace and clean lamps.

Safety is a Priority

At GEG, we offer a range of essential service solutions for educational facilities which comply with Australian and New Zealand Standards through our HVAC, Fire and Electrical services, to keep people safe, protect assets and property.



Protect people and property

By assessing your facility in terms of occupancy, operation and fire risk, we design, install and commission reliable, cost-effective end-to-end automatic sprinkler systems to protect building occupants and property.



Be compliant

GEG conducts fire safety risk assessments for your facility and design, install, test and service the most suitable fire extinguishers, fire detection and alarm systems to meet relevant legislation, workplace health and safety requirements and ANZ Standards compliance.



Be ready for an emergency

When it comes to emergencies and the need for occupants to evacuate a building safely, we provide a comprehensive site risk assessment and recommend the correct placement for exit and emergency lighting.



Light the way

We can ensure the right lighting in areas where there is minimal traffic or pose safety risks for students and teachers such as carparks, especially during those evening classes and lectures.



Don't get shocked

Our technicians can confirm the electrical safety of portable electrical appliances such as laptops, mobile chargers, and other equipment, using a sophisticated PAT and thermal printer to test and tag electrical devices and print tags on-site.



Optimal air quality

Build-up of mould, bacteria and grime on HVAC components has a major impact on indoor environment quality. We will provide cleaning and remediation of heat exchanger coils, surfaces, ductwork, filters and cool rooms to comply with ANZ Standards.



Ideal laboratory conditions

Many schools and tertiary institutes have laboratories for practical experiments and research programs. Laboratory temperature and humidity are two key factors in creating ideal lab conditions. If the humidity is too high or too low, it could affect the accuracy of sensitive tests and results. Temperature also plays a part in ensuring samples aren't contaminated.



Minimising risk of food contamination

Many high schools and tertiary institutes have large cafeterias and on-site cafes, eateries and restaurants. The reliable operation of cooling systems is critical in areas where there is fresh food and produce. Incorrect or high temperatures can quickly spoil fresh food and risk bacteria and other contamination. We can design HVAC systems to ensure the right areas of your educational facility are at the optimal required temperature. Regular maintenance can also ensure the risk of breakdown of cooling equipment.

An inspiring place to learn

Create an inviting space for students to learn and perform at their optimum levels. Feeling energised and comfortable is important for productivity and general well-being for both students and teaching staff. Students that attend schools with healthy air to breathe and conditions that encourage learning are happier, healthier and perform better academically.

Comfort for all

Ensure consistent and comfortable temperatures for students and staff. Regular maintenance of HVAC systems spots potential issues that help to prevent breakdowns, even more critical during those warmer months.

Enhanced performance

Boost concentration and attention span by using light to manage student mood and energy levels throughout the day. We can recommend and design lighting systems to keep classrooms, lecture theatres and other spaces within your campus, bright and visually comfortable.

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